

ABSTRACT OF THE DISCLOSURE

In an exhaust gas purifying system wherein an NO_x occlusion reduction type catalyst (30) including a catalytic metal and an NO_x occluding substance is installed in an exhaust passage (3) of an engine (10), a restore processing against the sulfur poisoning of the NO_x occlusion reduction type catalyst (30) is executed, by performing a lax rich control for controlling the air/fuel ratio of the exhaust gas to the theoretical air/fuel ratio or slightly lower than the theoretical air/fuel ratio, when the NO_x occlusion reduction type catalyst (30) is heated equal or superior to the sulfur purge temperature.

NO_x is purified up effectively, by excluding effects of the sulfur poisoning, suppressing the deterioration of fuel-efficiency, by the control method for exhaust gas purifying system.